Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/16/2020 08:37 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124246	-1	2.39	124262	2.40
Blue	F	SSC	125000	123542	-2	3.08	124433	3.10
Blue	E	FITC	14203	13676	-4	2.73	297	14.69
Blue	D	PE	25703	25452	-1	2.37	553	10.54
Blue	B	PerCP-Cy5-5	42104	41486	-2	3.20	921	14.69
Blue	A	PE-Cy7	34646	34367	-1	4.48	491	28.80
Red	C	APC	49824	49302	-2	2.51	1513	11.38
Red	A	APC-Cy7	39773	38829	-3	2.54	722	11.61
Violet	B	V450	7447	7144	-5	3.84	392	12.79
Violet	A	V500	31193	30095	-4	3.56	679	10.39

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21653	2.81	538	-18	N/A	N/A	Pass
Blue	F	SSC	53960	2.71	510	-2	N/A	N/A	Pass
Blue	E	FITC	54	53.22	482	-4	0.0466	149	Pass
Blue	D	PE	109	36.11	484	-1	0.3357	180	Pass
Blue	B	PerCP-Cy5-5	177	35.30	577	0	0.0189	21	Pass
Blue	A	PE-Cy7	111	63.81	621	1	0.0229	4	Pass
Red	C	APC	350	23.95	566	-1	0.0272	78	Pass
Red	A	APC-Cy7	201	23.97	543	-1	0.0062	405	Pass
Violet	B	V450	88	40.60	449	0	0.0458	1415	Pass
Violet	A	V500	121	30.94	467	0	0.0244	973	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.50	-31.34	1.06
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.41
Red	21.25	15.99 - 23.99	N/A	N/A	29.81	29.96	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.78

Threshold

Threshold (FSC): 11532

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments